Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

- 1 through 10 (canceled)
- 11. (new) A coolant circuit of a motor vehicle having a coolant flowing therethrough and the motor vehicle having an engine, the coolant circuit comprising:
 - a coolant pump having a coolant outlet;
 - a retarder having a central ring and being selectively connectable to the coolant circuit;
 - a reversing valve upstream of the retarder;
 - a bypass section for bypassing the retarder,
 - wherein the retarder can be connected to and disconnected from the coolant circuit,
 - wherein the coolant pump is upstream of the retarder and provides coolant past the retarder via the bypass section when the retarder is disconnected from the coolant circuit, and
 - wherein the coolant outlet of the coolant pump to the central ring of the retarder has a first flow resistance that is measured when the retarder is connected to the coolant circuit and is lower than a second flow resistance to be overcome by the coolant pump when the retarder is disconnected from the coolant circuit.
 - 12. (new) The coolant circuit of claim 11, wherein the coolant comprises water or a water mixture.

- 13. (new) The coolant circuit of claim 11, wherein the first flow resistance is between approximately 5% to approximately 30% lower than the second total flow resistance.
- 14. (new) The coolant circuit of claim 11, wherein the retarder is connected in series with the coolant circuit, the coolant pump, and the reversing valve.
- 15. (new) The coolant circuit of claim 11, wherein the retarder is downstream of the engine and the coolant pump is upstream of the engine.
- 16. (new) The coolant circuit of claim 11, wherein the retarder is upstream of the engine and the coolant pump is downstream of the engine.
- 17. (new) The coolant circuit of claim 11, wherein the retarder is a secondary retarder.
- 18. (new) The coolant circuit of claim 11, wherein the reversing valve is constructed as a rotary slide valve comprising:

an inlet and two outlets:

a cylindrical valve piston rotatable about a longitudinal axis, the cylindrical valve piston comprising

- an outlet hole being incorporated into the valve piston in a radial direction and which can be aligned in a flush manner with each of the outlets by rotating the valve piston;
- an inlet hole being incorporated in the valve piston in the radial direction and connected to the outlet hole in a flow carrying manner;
- wherein the inlet hole has a construction that is conically tapering proceeding radially from the outside to the inside; and wherein the radial outer opening surface has a diameter that is enlarged in such a way that there is a constant flow-carrying

connection to the inlet, regardless of the alignment of the outlet hole with an outlet.

- 19. (new) The coolant circuit of claim 11, wherein the retarder further comprises: a working chamber;
 - a stator with a plurality of holes on an inlet side for introducing at least a portion of the coolant into the working chamber; and
 - a plurality of guide elements, uniformly distributed over a circumference of the stator on the inlet side to provide for the uniform distribution of the at least a portion of the coolant over the stator circumference.
- 20. (new) The coolant circuit of claim 19, wherein the plurality of guide elements comprise ribs.
- 21. (new) The coolant circuit of claim 19, wherein the plurality of holes are conically enlarged in the flow direction.
- 22. (new) The coolant circuit of claim 19, wherein the stator further comprises a plurality of stator blades.
- 23. (new) The coolant circuit of claim 22, wherein the plurality of holes are located in a predetermined number of the plurality of stator blades.
- 24. (new) The coolant circuit of claim 23 wherein the plurality of holes are a plurality of parallel holes.
- 25. (new) The coolant circuit of claim 23 wherein at least one hole is located on each stator blade.
- 26. (new) The coolant circuit of claim 23 wherein at least one hole is located on every other stator blade.

27. (new) An engine comprising:

a coolant circuit of a motor vehicle having a coolant flowing therethrough and the motor vehicle having an engine, the coolant circuit comprising:

- a coolant pump having a coolant outlet;
- a retarder having a central ring and being selectively connectable to the coolant circuit;
- a reversing valve upstream of the retarder;
- a bypass section for bypassing the retarder,
- wherein the retarder can be connected to and disconnected from the coolant circuit,
- wherein the coolant pump is upstream of the retarder and provides coolant past the retarder via the bypass section when the retarder is disconnected from the coolant circuit, and
- wherein the coolant outlet of the coolant pump to the central ring of the retarder has a first flow resistance that is measured when the retarder is connected to the coolant circuit and is lower than a second flow resistance to be overcome by the coolant pump when the retarder is disconnected from the coolant circuit.
- 28. (new) The engine of claim 27 further comprising a transmission wherein the retarder is connected to a drive side of the transmission.